

# Converting Colors

XYZ(38.1094, 44.6985, 38.5185)

Have a look what the booklet for  
XYZ(38.1094, 44.6985, 38.5185)  
contains.

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# Color

**XYZ(38.1327, 44.7093,  
38.5182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1B99D
RGB	161, 185, 157
RGB Percent	63%, 73%, 62%
CMY	0.3686, 0.2745, 0.3843
CMYK	0.13, 0.00, 0.15, 0.27
HSL	111°, 17%, 67%
HSV	111°, 15%, 73%
XYZ	38.1327, 44.7093, 38.5182
YIQ	174.6320, -5.3160, -13.7960

# Conversions

## Conversions Part 2

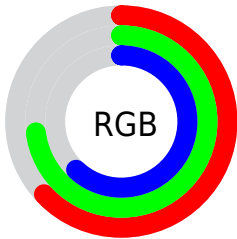
Format	Color
<a href="#">RYB</a>	<a href="#">157, 185, 181</a>
Decimal	<a href="#">10598813</a>
CIELab	<a href="#">72.70, -13.56, 11.48</a>
CIELCh	<a href="#">73, 17.766, 139.736</a>
Yxy	<a href="#">44.7093, 0.3142, 0.3684</a>
Android (android.graphics.Color)	<a href="#">4288788893</a> ( <a href="#">0xFFA1B99D</a> )
YUV	<a href="#">174.6320, -8.6926, -11.9553</a>
Hunter-Lab	<a href="#">66.8650, -15.2163, 12.6510</a>

# Details

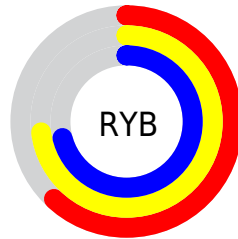
The XYZ color **38.1327, 44.7093, 38.5182** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.8717, 37.4417, 51.0268**, and the grayscale version is **40.6038, 42.7184, 46.5203**.

A 20% lighter version of the original color is **71.6579, 82.2630, 74.3889**, and **17.1595, 20.7943, 16.7450** is the 20% darker color. If you saturate the color by 10%, you get **33.6759, 42.5819, 30.6796**, and if you desaturate by 10%, it is **43.2365, 47.1451, 47.6375**.

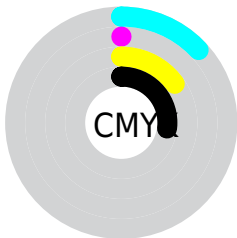
# Distribution



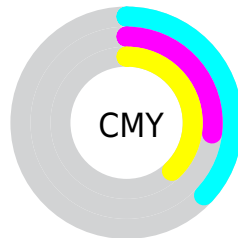
- Red (63%)
- Green (73%)
- Blue (62%)



- Red (62%)
- Yellow (73%)
- Blue (71%)



- Cyan (13%)
- Magenta (0%)
- Yellow (15%)
- Black (27%)



- Cyan (37%)
- Magenta (27%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1327, 44.7093, 38.5182 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 38.1327, 44.7093, 38.5182 by changing the saturation by 10% instead.



■ 38.1327, 44.7093,  
38.5182

■ 38.1327, 44.7093,  
38.5182

329.4599,  
365.5949, 355.2023

■ 26.2634, 31.2285,  
26.0802

■ 71.6141, 82.2840,  
74.1139

■ 17.1545, 20.7729,  
16.6573

■ 93.9568, 107.1467,  
98.1087

■ 10.4407, 12.9581,  
9.8311

120.5215,  
136.5722, 126.7928

■ 5.7566, 7.3997,  
5.1830

151.6733,  
170.9449, 160.5848

■ 2.7369, 3.7133,  
2.2944

187.7777,  
210.6491, 199.9032

■ 1.0162, 1.5145,  
0.7281

229.2000,

■ 0.0000, 0.2989,

256.0692, 245.1666

0.0000

276.3056,  
307.5897, 296.7934

0.0000, 0.0000,  
0.0000

38.1327, 44.7093,  
38.5182

38.1327, 44.7093,  
38.5182

33.6759, 42.5819,  
30.6796

43.2365, 47.1451,  
47.6375

29.8367, 40.7452,  
24.0615

49.0079, 49.8951,  
58.0880

26.5885, 39.1882,  
18.6035

55.4714, 52.9720,  
69.9213

23.9018, 37.8970,  
14.2387

62.6490, 56.3860,  
83.1852

21.7441, 36.8565,  
10.8933

70.5615, 60.1469,  
97.9254

■ 20.0798, 36.0501,  
8.4847

■ 76.6398, 63.1797,  
102.7633

■ 18.8686, 35.4591,  
6.9172

■ 18.0633, 35.0618,  
6.0740

■ 17.7867, 34.9249,  
5.8037

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.5256, 44.7093, 34.3939



38.1327, 44.7093, 38.5182



36.9280, 44.7093, 45.7200

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.1327, 44.7093, 38.5182



41.4480, 44.7093, 67.3567



48.3184, 44.7093, 43.1733

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.1327, 44.7093, 38.5182



39.8717, 37.4417, 51.0268

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.5948, 44.7093, 51.7668



38.1327, 44.7093, 38.5182



44.5269, 44.7093, 66.4602

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.1327, 44.7093, 38.5182



38.7799, 44.7093, 62.8090



47.1776, 44.7093, 60.4901



46.4398, 44.7093, 36.8481



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.1327, 44.7093, 38.5182



36.9194, 44.7093, 51.6068



47.1776, 44.7093, 60.4901



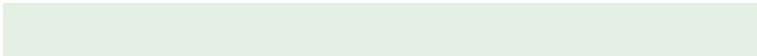
48.6051, 44.7093, 45.8676

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.1339, 44.7112, 38.5192



77.4854, 84.4576, 85.4096



42.5785, 45.7172, 38.4791



16.5586, 18.1379, 18.1505



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

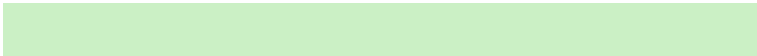


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.1339, 44.7112, 38.5192



65.6503, 78.8112, 64.3077



38.2115, 44.6506, 43.0680



9.0065, 10.1200, 9.5856



12.1488, 23.7992, 3.9534



0.4666, 0.8587, 0.1412



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39.8717, 37.4417, 51.0268



69.3288, 63.4179, 90.7915



39.8236, 37.5324, 45.8077



9.2515, 9.0960, 11.3475



15.6882, 7.3988, 31.8543



0.5879, 0.2788, 1.1246



# Previews

## White Background



This preview shows how the XYZ color 38.1327, 44.7093, 38.5182 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.1327, 44.7093, 38.5182 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

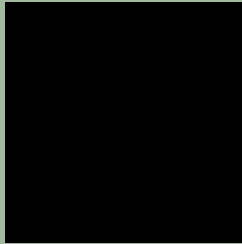
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

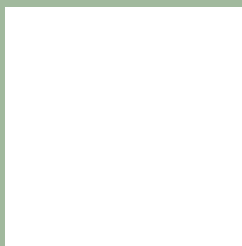
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.1327, 44.7093, 38.5182**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.1327, 44.7093, 38.5182.



This preview shows how white text looks on a background with the XYZ color 38.1327, 44.7093,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

38.1327, 44.7093, 38.5182

### Protanopia

42.1637, 44.7055, 36.5438

### Deuteranopia

45.4548, 44.5997, 39.4706



## Tritanopia

41.9952, 44.7530, 57.4638

# Trichromacy



## Original Color

38.1327, 44.7093, 38.5182

## Protanomaly

40.7167, 44.8458, 37.0820

## Deuteranomaly

42.4737, 44.5123, 39.1540

## Tritanomaly

40.5855, 44.7914, 50.2226

# Monochromacy



## Original Color

38.1327, 44.7093, 38.5182

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

39.7655, 43.6134, 43.3681

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.1327, 44.7093, 38.5182 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(161, 185, 157)` looks like.

```
.text, #text, p{  
    color:rgb(161, 185, 157)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(161, 185, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 185, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 38.1327, 44.7093, 38.5182 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(161, 185, 157) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(161, 185, 157) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(161, 185, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 185, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 185, 157);  
box-shadow:4px 4px 4px 4px rgb(161, 185,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.1327, 44.7093, 38.5182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 185, 157) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(161,  
185, 157) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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